CA - PMM

Project Name: California Natural Diversity Database (CNDDB): RareFind 4 - Phase 2 U

OCIO Project #:
Department: CA Department of Fish and Game
Revision Date: 10/1/2010

Concept Statement

Description

Brief description of the proposed project:

Complete functionality originally desired for RareFind 4, but not included in phase 1, to add various features, but primarily to add functionality to allow users to browse and view selected records in an optional form format (similar to RareFind 3).

Need Statement

High Level Functional Requirements:

RareFind 3 can display element and occurrence data in several different views (form view or grid view). It offers different views on a single page, a mixture of grid and form view, or multiple grid views. Data can also be sorted and filtered in various ways. Although RareFind 4 offers many features that RareFind 3 does not, key features are still required to qualify it as an acceptable substitute.

What is Driving This Need?

It is inefficient and expensive to maintain two versions of RareFind. RareFind 3 should be retired because of the aforementioned reasons, but this cannot happen until the RareFind 4 online product meets the needs of the program and its subscribers.

Risk to the Organization if This Work is Not Done:

Users using RareFind 3 can potentially view old data if they ignore CNDDB's automated warning messages stating that they need to keep it up to date. Although using RareFind 4 assures an up-to-date database, users may choose not to use it because it is does not have the full functionality of RareFind 3.

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Benefit Statement

Intangible Benefits

Process Improvements (describe the nature of the process improvement):

Users will not have to keep the program or database updated, because RareFind 4 is a web-based application with a centralized database. It will save users from having to download updates, or even check if new updates are available. Users of web-based applications can be sure that they are always using the most current version of the software available.

Other Intangible Benefits:

Users can access RareFind from any Internet connected computer with a web browser.

Tangible Benefits

Revenue Generation (describe how revenue will be generated):

It is possible that more organizations will subscribe to the CNDDB if an easy to use and fully functional online tool is made available.

Cost Savings (describe how cost will be reduced):

CDs, labels, packaging, and postage will no longer be needed to distribute the RareFind software or updates.

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Cost Avoidance (describe the cost and how avoided):

All updates could be handled at the server level, thus avoiding future media distribution costs.

Risk Avoidance (describe the risk and how avoided):

Because of the inherent problems with RareFind 3, and the as yet incomplete capabilities of RareFind 4, users might decide that it is too troublesome to use either tool.

Improved Services:

Users can be assured that they are querying the most current and up to date data.

Consistency

"No" Responses		Rationale	Action Required
Enterprise Architecture		Yes	
Business Plan		Yes	
Strategic Plan		Yes	

Impact to Other Agencies

Nature of Impact to Other Agencies

Agency: California Department of Fish and Game

Describe the nature of the impact:

The quality of the RareFind tool may directly influence the manner in which CNDDB data are used.

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Agency: CNDDB subscribers (this includes individuals, consulting firms, educational institutions and state and federal agencies)

Describe the nature of the impact:

The quality of the RareFind tool may directly influence the manner in which CNDDB data are used.

Agency:

Describe the nature of the impact:

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Solution Alternatives

Alternative 1:
Upgrade RareFind 4 so that it incorporates the aforementioned functionality of RareFind 3.

Technical Considerations for Alternative 1:

ROM Cost:	$330,000	to	$660,000	**Note: high end of range must not exceed 200% of low end of range**

Alternative 2:
Continue using both RareFind 3 and RareFind 4 as is.

Technical Considerations for Alternative 2:

ROM Cost:	0	to	0	**Note: high end of range must not exceed 200% of low end of range**

Alternative 3:
Abandon RF4 and keep using RF3. This is not the ideal option, but would be a possibility if RF4 cannot be refined to contain more of the functionality of RF3.

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Technical Considerations for Alternative 3:

ROM Cost:	0	to	0	**Note: high end of range must not exceed 200% of low end of range**

Recommendation

Comparison:

Alternative 1	ROM Cost		Risk
Upgrade RareFind 4 so that it incorporates	$330,000 -	$660,000	
Alternative 2	**ROM Cost**		**Risk**
Continue using both RareFind 3 and	0 -	0	
Alternative 3	**ROM Cost**		**Risk**
	0 -	0	

Conclusions:

1	Although RareFind 3 and RareFind 4 are both suitable tools with which to evaluate and utilize CNDDB data, better acceptance of the program, and
2	
3	
4	

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Recommendation:

The recommended solution is Option 1.

Project Approach *(if known)*

System Complexity:			System Business Hours: *(e.g., 24x7, 9am-5pm)* :		
Architecture	☐ Mainframe	☑ Client Server	☑ Web Based	Num. of New Databases:	
Technology	☐ New	☐ New to Staff	☐ In-House Experience	Interfaces:	
Implementation	☐ Central Site	☐ Phased Roll-out		Num. of Sites:	
M & O Support	☐ Contractor	☐ Data Center	☐ Project ☐ In House		

Procurement Approach:	Number of Procurements:

Open Procurement?	Yes	Delegated Procurement?	No

Scope of Contract	☑ Development	☑ Implementation	☐ M & O ☐ Other:

Anticipated Length of Contract: Years / 2 extensions for years